MPUC2K
Mission Planning User's
Conference 2000

2K

ESC/ACU

46 TS

HQ ACC

HQ AMC

HQ A

US

MPS

- N - PFPS -

Major Steve Bennett "Festus"

Navy PFPS IPT Lead

- NavMPS -

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24X CD ROM

Overview

- Background
  - What is N-PFPS?
  - What is the DoN User Base
  - Releases
- What does v3.1 mean to the DoN users
- Don Funded Enhancements
- Questions

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PMA-233 Products
Naval Automated Mission Planning
Program Office

NavMPS:

- **TAMPS 6.X Series**
- **JMPS**
- **N-PFPS**
- **ATACS / NSPW**

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N-PFPS Objective

- ## Objective
  - ### To provide automated mission planning to <u>all</u> the fleet until JMPS.

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PFPS Development

- PFPS Development:

- Who Pays the Bills:

TYBRIN corporation

Georgia Tech | Research Institute

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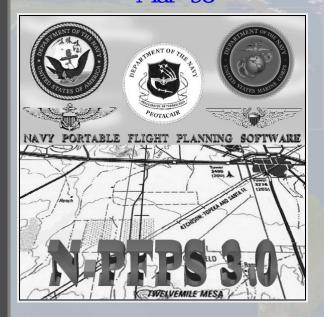
N-PFPS Releases
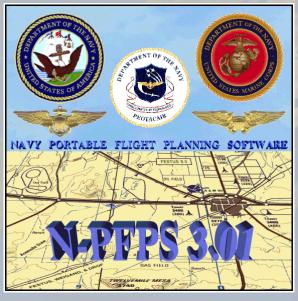
N-PFPS v3.0:
Mar '98
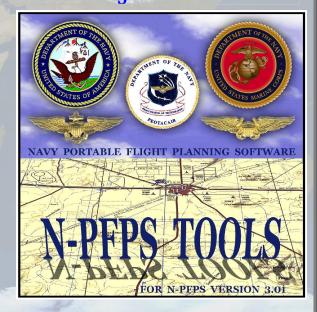
N-PFPS v3.01:
Sep '98

PFPS Tools v1.0:
Jul '99

NAVY PORTABLE FLIGHT PLANNING SOFTWARE

N-PFPS 3.0
TWELVEMILE MESA

NAVY PORTABLE FLIGHT PLANNING SOFTWARE

N-PFPS 3.01

NAVY PORTABLE FLIGHT PLANNING SOFTWARE

N-PFPS TOOLS
FOR N-PFPS VERSION 3.01

Sent to <u>all</u> 262 DoN Squadrons

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Hardware

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Dedicated PFPS Hardware:

600+ Dell Laptops
Fleet Squadrons

200+ Desktops
Training Sites

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N-PFPS AWE's

CMDL

Rotary Wing:

- CH-46E
- CH-53D / E
- SH-60F
- HH-60H
- HH-1N
- UH-1N
- SH-2G
- UH-3H

Fixed Wing:

- C-2A
- T-45
- P-3 Series
- S-3 Series
- C-130T
- KC-130F / R / T
- EA-6B
- F-14B (Upgrade)

| AH-1W | E-2C+ |
| FA-18C/D/E/F | TAMMAC |

F-14D
AV-8B

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FPM - Flight Performance Modules

N-PFPS v3.1

Certified

F/A-18A/B/C/D (400)	C-2A	HH-60H
F/A-18C/D (402)	CH-46E	S-3B
F/A-18E/F	E-2C Block 2	SH-60F
AH-1W	F-14B/D	UH-1N

In Certification

P-3C
T-45A/C

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FPM - Flight Performance Modules

(N-PFPS v3.2)
N-PFPS v3.2

In Development

CH-53E

C-130T

KC-130F/R/T

EA-6B

Next

AV-8B (408)

MH-53E

AV-8B (406)

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FPM - Flight Performance Modules

Remaining

AH-1Z	E-6B	T-39N
C/T-39G	EP-3E	T-44A
C-18F	F-14A	T-6A (JPATS)
C-20D	F-5E/F	TC / UC / C-12B/C (-41)
C-20G	JSF	TH-57B/C
C-26D	KC-130J	U-6A
C-37	MV-22B	UC-35C
C-40A	NH / VH-3A	UH-1Y
C-9B / DC-9	NP-3D	UH-3H
CH / HH / UH-46D	RC / UC-12F/M (-42)	UH-60A
CH-53D	SH-60B	UP-3A
CH-60S	SH-60R	VH-3D
E-2C	T-2C	VH-60N
	T-34C	

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SkyView

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- # 3D Perspective Viewer
  - Drapes CADRG / CIB over DTED.
    - Uses PFPS loaded NIMA products.

- # High resolution "SA Snapshot"
  - Point of Interest
    - Brief
    - Kneeboard

- # Runs on low end PC
  - Non-accelerated Pentium

SkyView Alpha Version

File   View   Configure   Help

0 knots | N 46° 32.786' E 010° 48.494' | 38°(true) 47°(mag) | 27016 ft AGL | 34504 ft MSL

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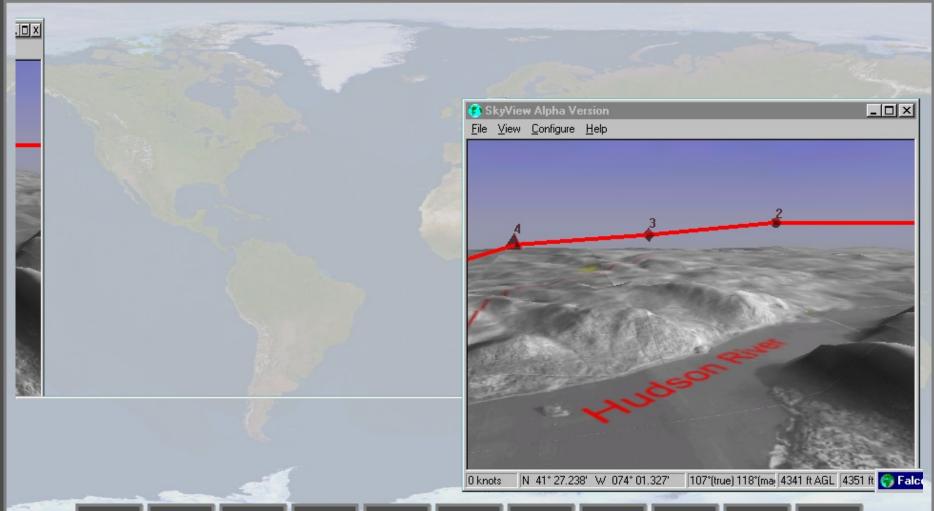# SkyView

- SkyView is integrated with PFPS
  - SkyView can depict:
    - PFPS Routes in 3D
    - FalconView Overlays
    - User definable FOV's:
      - Panoramic
      - 2 x Sensor
- User establishes perspective (point of observation to desired point of interest):
  - Dynamically with mouse & keyboard
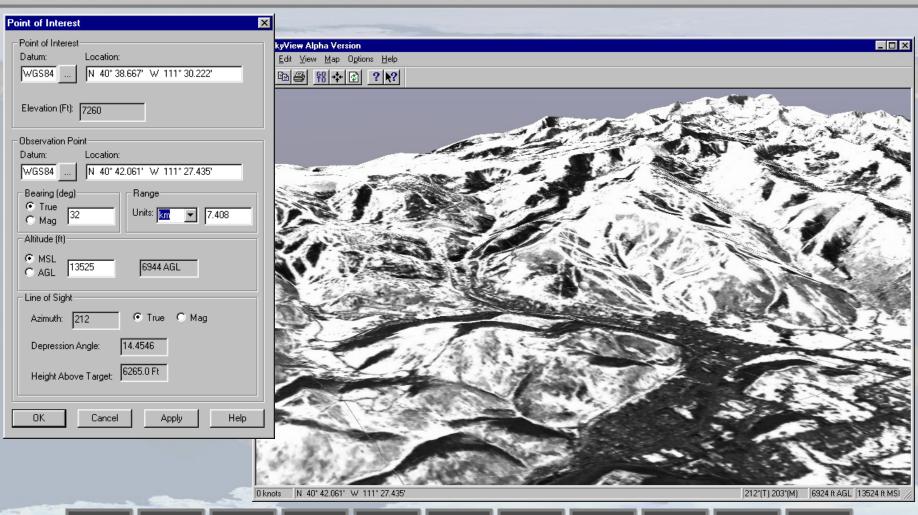 - Route "snap-to" & drag
  - Dialog box

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SkyView

Point of Interest ☒

Point of Interest

Datum: Location:

WGS84 [...]   N 40° 38.667' W 111° 30.222'

Elevation (Ft): 7260

Observation Point

Datum: Location:

WGS84 [...]   N 40° 42.061' W 111° 27.435'

Bearing (deg)
- ● True
- ○ Mag   32

Range
Units: km ▼   7.408

Altitude (ft)
- ● MSL
- ○ AGL   13525   6944 AGL

Line of Sight

Azimuth: 212   ● True ○ Mag

Depression Angle: 14.4546

Height Above Target: 6265.0 Ft

[OK] [Cancel] [Apply] [Help]

SkyView Alpha Version   _ □ ☒

Edit View Map Options Help

0 knots | N 40° 42.061' W 111° 27.435' | 212°(T) 203°(M) | 6924 ft AGL | 13524 ft MSI

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PFPS v3.2

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PFPS v3.2
- New Capabilities -

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Geo-Rectification Tool

- Ingests TIFF, BMP, and JPEG files
  - File
  - Scanner
  - Clipboard

- Rectifies to Equal-Arc projection
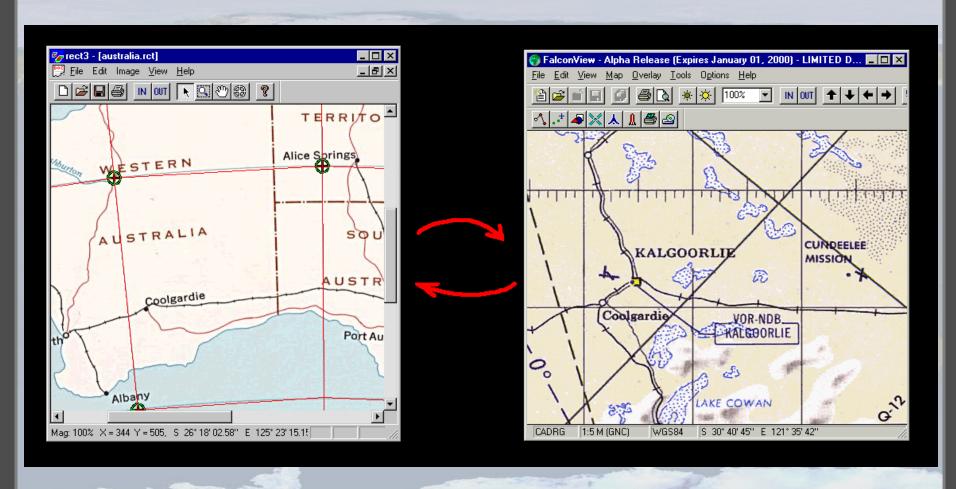
- Produces GeoTIFF files
  - PFPS v3.2

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Geo-Rectification Tool

Navy Portable Flight Planning Software

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